

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Peter Lockyer

Application No.: 10/593,852

Filing Date: September 22, 2006

For: METHODS FOR DETECTING CALCIUM ION  
INFLUX

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Confirmation No.: 4433

Art Unit: 1614

Examiner: Not Yet Assigned

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

This paper is responsive to the Notification of Missing Requirements mailed from the Office on May 10, 2007, for the above-identified patent application. Applicants enclose a Petition for Extension of Time under 37 C.F.R. § 1.136(a) extending the deadline for response by two months up to and including September 10, 2007. In addition, Applicants enclose a copy of an executed Declaration and Power of Attorney. Applicants believe that a sequence listing is not required as part of this application for the reasons identified below. Applicants electronically have charged Deposit Account No. 07-1700 to cover the claims fee, the surcharge for a late declaration, and the fee for a two-month extension of time.

Applicants believe that no other fees are required. However, please charge any other fees necessary for entry of this paper and completion of the filing requirements to Deposit Account No. 07-1700. Prior to calculating the filing fees or substantive examination, please amend the above-identified patent application as provided below.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 11 of this paper.